



Engineering Services Staff Report: City Council Meeting – October 8, 2008

Engineering Services Department – General

Dallas Regional Mobility Coalition (DRMC) – The DRMC Meeting was held on Friday, September 5, 2008. John Eaglen attended the meeting for Director Sylo. On the meeting agenda the DRMC approved their new organization website; the address for the new site is as follows:

<http://www.dallasmobility.org>

The website is intended to provide an overview of the DRMC Members and Subcommittees, as well as a calendar of transportation-related events. A DRMC member profile is also included and will be updated periodically to provide further information on the DRMC Members.

Additionally, the DRMC approved a Resolution supporting the discontinuation of the State Legislature's diversion of transportation user revenues to non-transportation uses and the appropriation of all revenue generated from highway user fees and taxes to fund transportation projects.

During the Regional Transportation Council (RTC) Agency Report, the Mobility 2030 Executive Summary was distributed; a copy of this report has been provided in hard copy and .pdf format for individual use.

Additionally, NCTCOG Director of Transportation Michael Morris reviewed a draft that had been sent to the RTC Membership regarding "Advancing the Design on the Trinity Parkway." The draft had seven (7) business points for discussion among the RTC Membership at their next meeting, and includes the following:

1. Funding for advancing project design should be resolved immediately. RTC action will be requested 9/11/08 and contingent on the following provisions.
2. Since these funds are Category 2 TxDOT revenues allocated to the region, TxDOT will have to approve NTTA procurement methods.
3. All contracting agreements between TxDOT and NTTA should be executed before 12/1/08 in order to issue "notices to proceed" to selected design consultants. (NTTA thinks they will be ready by 12/1/08).
4. TxDOT and NTTA should both review progress on consultant designs to eliminate any re-design on project details. There is no time in the schedule for TxDOT to make changes in the project design, if NTTA does not construct the project.
5. Market Valuation should be waived for the Trinity project and its connector managed lane facilities, I.H. 30 West and S.H. 183 Airport Freeway / I.H. 35E. This will expedite transportation system delivery. This should occur by 12/1/08.
6. The City of Dallas estimates 30 percent design at \$30 million. This would result in \$30 million being taken from previously committed construction funds on this project. All parties realize there will now be \$30 million less for construction available.

7. No reimbursement is being sought on these funds, since they are Category 2 TxDOT funds dedicated to this Project. (This element is an example of the partnership program proposed for management and toll road deployment). The RTC realizes the risk it is taking in expediting this project but understands the importance of delivering a system of transportation projects in the central portion of Dallas County.

Finally, the DRMC discussed the RTC Legislative Program for the 81st Texas Legislature. Under "Legislation to Actively Pursue" the Program includes the following elements: (1) Support the Rail North Texas Initiative; (2) Support initiatives to expedite backlogged roadway projects; (3) Capitalize the Rail Relocation Improvement Fund; and (4) Revise Provisions of SB 792 and eliminate Market Valuation. On Item #4 the DRMC discussed the elements described in the Program Summary and suggested to Michael Morris that the RTC hold on taking a position on SB 792 until there was more education on the topic of what the concept of "Market Valuation" means.

North Central Texas Council of Governments (NCTCOG) – The City has a representative on the NCTCOG Surface Transportation Technical Committee (STTC) each month to represent the City's interest in local and regional transportation issues. Staff also attends the Regional Transportation Council (RTC) to support the joint representative of the cities of Allen/McKinney/Frisco in this effort.

Regional Transportation Council (RTC) - Cissy Sylo attended the September 11, 2008 RTC meeting. The meeting was held in Arlington Texas at the Regional Transportation Council Board Room. Agenda Items Included:

- Texas Department of Transportation Request for Attorney General Opinion and Update on Legislative Budget Activities. The Regional Transportation Council adopted this position to request TxDOT withdraw its request for opinion of the Attorney General regarding the transfer of SH 121 funds to the region. This is regarding the \$3.2 billion dollars being transferred into a sub-account "outside the Treasury". This request was made by TxDOT on June 19, 2008. However, since the Attorney General was unlikely to determine that TxDOT could move the money, and a "trust and a trustee" would have to be assigned, RTC has adopted this position.
- Need for Flexibility in TxDOT Programming of Projects/2009 Unified Transportation Program/Advancing Trinity Parkway Engineering. The Regional Transportation Council unanimously approved this item to advance fund this project from previously allocated gas tax.
- Bylaws Revisions Subcommittee Recommendations. A second reading of the new Bylaws was held. The Bylaws include membership, voting structure, funding programs and distribution. Pete Kamp, Mayor Pro Temp of Denton Chaired the Bylaw Subcommittee. She presented the recommendations of the Committee to the RTC. Today, McKinney, Allen, and Frisco currently share a seat on the RTC. Under the proposed Bylaws the following distribution would occur: Allen, Frisco, Prosper and Lucas are proposed to be grouped under the new bylaws. McKinney is proposed to be grouped with Fairview, Anna, and Princeton. The person representing a group of several cities shall be selected by the mayors using a weighted vote of the maximum population or employment of the cities represented, and the person selected shall serve a two-year term beginning in June of even-numbered years. The representative city may elect an "alternative". The Bylaws were approved unanimously.
- Regional Transportation Council Draft Legislative Program. This item was tabled for 30 days to allow a consensus on the item.

- Regional General Aviation and Heliport System Plan. This item was an informational item presented by NCTCOG staff regarding the activities on the Aviation and Heliport System Plan as well as the reestablished Air Transportation Technical Advisory Committee. Staff stated that there was \$1 million in funding for a 5 year program. They plan to meet four to five times in the next year regarding this program to examine the market and timing for aviation capacity improvements; and determine long-term needs related to the aviation system.
- North Central Texas Clean School Bus Call for Projects. This informational item was presented by NCTCOG staff regarding a \$650,000 program for clean school buses within a 16 county NCTCOG service area to replace, repower, or retrofit older buses with cleaner emissions technology to protect the health of school-age children. This call for projects will open in October 2008 with project selection announced in February 2009. To be eligible for funding, entities must have adopted the RTC's Clean Fleet Vehicle Policy Model Ordinance and be in compliance with annual reporting requirements.

Surface Transportation Technical Committee (STTC) - Cissy Sylo also attended the August 22, 2008 STTC meeting. The meeting was held in Arlington Texas. The Agenda Items included the following:

- Approval of 2008 Job Access/Reverse Commute and New Freedom Projects. This includes 18 projects and \$1.9 million federal Job Access/Reverse and \$1 million in New Freedom funding for these projects.
- Approval of Transportation Improvement Modifications.
- Approval of Draft Regional Transportation Council Legislative Program. The 81st Legislation begins on January 13, 2009.
- Approval of 2009 Unified Transportation Plan (UTP) and Potential Category 2 and 4 Changes. The Texas Transportation Commission (TTC) and Texas Department of Transportation (TxDOT) use the UTP as the agency's 10 year plan to guide the transportation project development and construction.
- Presentation on North Texas Tollway Authority (NTTA) Environmental Speed Limits. This presentation was regarding the emission impacts when changes to speed limits are made, not only impacting the State Implementation Plan (SIP) but also future air quality conformity determinations. Discussions are underway with TCEQ to remedy any SIP issues. In addition, NCTCOG and NTTA staff are working to identify reduction measures and associated emissions to offset those caused by increasing speed limits.
- Presentation on NCTCOG Call of Projects on Clean School Buses. This presentation included a presentation by NCTCOG regarding a \$200,000 grant to NCTCOG from the US EPA. To be eligible for these funding entities must have adopted the Clean Fleet Vehicle Ordinance.

NCTCOG Public Hearings – Director Sylo and John Eaglen attended the NCTCOG Transportation/Air Quality Public Meetings held on September 8 (Plano) and 9th (Arlington). Attached are the Agenda, PowerPoint Presentations, and Handout materials provided from these meetings. The Agenda included a summary of (1) the Transportation Improvement Program Modifications (2) Unified Planning Work Program Modifications (3) Regional Transportation Project Status Report and (4) Public Comment/Questions.

- **Item One, Transportation Improvement Program Modifications** - The Transportation Improvement Program Modifications consisted of approximately 10 changes. The Unified Transportation Plan (UTP) is TxDOT's 11 year plan to guide transportation project development and construction. NCTCOG discussed the proposed annual backlog of projects. (2) The Unified Planning Work Project Modifications were presented by Dan Kessler, Assistant Director of Transportation. This is a two year program. The NCTCOG has an annual budget of \$8M. Staff keeps an additional \$5M in reserves. A total of \$18.5M was proposed to be allocated during the 2 year period from both the annual budget and reserves. The budget was presented with minor adjustments in line items. A new process "Streamlining of Project Delivery" to allow projects to be delivered faster by hiring consultants was discussed. NCTCOG staff also discussed parking lots at rail lines being full. A study will be done with the City of Dallas \$225,000 RTC funds and \$56,000 City of Dallas funds. *(A copy of the presentation has been provided in hard copy)*

- **Item Two, Unified Planning Work Program Modifications** – The Unified Planning Work Program (UPWP) is in effect a "Scope of Services" required under Federal law for the NCTCOG in serving its role as the Metropolitan Planning Organization (MPO) for the Dallas-Fort Worth Metroplex. The UPWP is a multi-year planning document and budget; the proposed revisions total out to the same amount, but allocations among the Program Categories have changed. The additional revenues reflect the upcoming priorities; with examples of program elements receiving more funds include Travel Forecasting Support (\$15K), Transportation Project Programming (\$125K), Public Transportation Planning and Management Studies (\$375K), Coordination of Transportation and Environmental Planning Processes (\$100K), Goods Movement (\$125K) and Transportation Safety (\$50K). These increased allocations are offset by reductions to other UPWP Program Categories and the net result is the same UPWP total of \$18,531,500.00. *(A copy of the presentation has been provided in hard copy)*

- **Item Three, Regional Transportation Project Status Report** – NCTCOG Assistant Director of Transportation Dan Kessler (at the Arlington Public Hearing) described the presentation as a "day in the life of Transportation Director Michael Morris" and provided an overview of what the NCTCOG Transportation Department does on a daily basis. *(A copy of the presentation has been provided in hard copy)*

- **Item Four, Public Comments** –

Arlington Public Hearing, September 9, 2008 – NCTCOG received the following public feedback at the Arlington Public Hearing:

- Faith Chatham, Arlington – Wanted to know the progress of Regional Rail in the Union Pacific corridor (southern part of the Metroplex, east / west route between Dallas and Fort Worth. NCTCOG Assistant Director of Transportation Dan Kessler responded that the Union Pacific Railroad is not supporting the use of the corridor for regional rail, similar to that of the Trinity Railway Express. However, Mr. Kessler added that planning on the TRE corridor occurred almost twenty (20) years before TRE was operational.
- Harriet Irby, Arlington – Ms. Irby commented that the likelihood of a regional rail corridor similar to the TRE and/or Cottonbelt occurring in Arlington was not likely to happen due to the lack of leadership in the City of Arlington.

- Harriett Irby, Arlington – Ms. Irby asked about what the NCTCOG was doing in regards to coordinating road placement in Tarrant / Johnson / Parker and Wise Counties with all of the pipelines and extraction operations going up? Mr. Kessler replied that this is a concern on the western side of the region as the Barnett Shale extraction operations are growing and growing. This is a concern especially with regards to the Proposed Outer Loop Project. Mr. Kessler added that the NCTCOG has placed urgency on getting Projects planned and moving towards construction due to this concern among others.

Business Retention - Staff met with the Chamber of Commerce at the Monthly Coordination meeting on September 5th to discuss retention of businesses. Cissy Sylo attended the meeting this month on behalf of the department. The meeting this month included discussion of business retention, website improvements, providing list of previous engineers and construction firms that are familiar with City regulations, past success stories, pre-submission meetings, staff liaisons, checklists to improve customer service.

Engineering Highlights – Elizabeth Metting:

- **Construction Inspections** – Construction Inspectors have 400 current projects that are at various stages of construction.
- **Pre-construction Meetings** – Staff held pre-construction meetings for new projects:
 1. Icehouse Grill, Block 2, Lot 1R
 2. Frisco 7-11 Addition Lot 1
 3. NWC Coit/Rolater – Walgreens, Block A, L
 4. Legacy Medical Plaza Ph II / 7-Eleven Co
 5. Legacy Medical Center Paving Imp (Water)
 6. Preston Lebanon Crossing – Taco Cabana Lt5
 7. Village Lakes Ph2 Amenity Center
 8. Village Lakes Ph2 (to be divided – Ph2b)
 9. Frisco Square Blvd. Railroad Crossing
- **Project Final Acceptances** – There were 19 projects accepted.
 1. Frisco #2 and Reuse Pump Station Mods
 2. Preston Lebanon Crossing
 3. Legacy Crossing Lt 3 Legacy ER
 4. Liberty High School
 5. Legacy Center Block A, Lot 7
 6. Original Donation Bl 53 Lts 13 and 14
 7. SWC Ohio-Lebanon – Rick's Kicks
 8. Seneca Kennels Addition, Bl 1, Lt 1
 9. Main Street, Phase 3, (DNT – RR)
 10. Preston Hutson Addn Bl A Lts 1 & 2
 11. Parkway Town Crossing – Bank of America
 12. Prestmont Center, Bl A Lot 5 (Stereo East)
 13. McFrisco Honda 2
 14. Newman Village Phase 1
 15. Eldorado Pkwy WL Relocation (FM 423 – DNT)
 16. Mockingbird Addition, Block A, Lot 6
 17. Rock Creek Parkway ROW (Peninsula Pkwy)
 18. Panther Creek Pkwy (Teel – DNT) – Phase 1
 19. Mockingbird Addition, Block A, Lot 5

Project Reviews – Staff has completed **eighty seven (87)** engineering reviews.

STATE PROJECTS

- **FM 2478/Custer Road (Stonebridge – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. The City of McKinney hired Kennedy Consulting, Inc., to design this project. Completed plans have been submitted to Austin for bidding in November. Right of Way is currently being acquired and franchise utilities are preparing for required relocations. Construction is anticipated to begin in Spring 2009 and is estimated to take 26 months to complete. (*Project Manager: Jason Brodigan*)
- **FM 2934/Eldorado Parkway (FM 423 – DNT)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. TxDOT bid the project in February 2008, and construction began in September, Franchise utility companies continue to work on finishing the relocation of facilities along Eldorado. Construction is expected to take 26 months, but the contractor is investigating ways to improve upon the original schedule. (*Project Manager: Michael Bulla*)
- **FM 3537/Main Street (Preston Road – Custer Road)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. Revised 60% plans were reviewed and returned to the consultant in September. The project is anticipated to begin ROW acquisition in early 2009, and utility adjustments will follow ROW acquisition. TxDOT is expected to bid the project in August 2009 and construction is estimated to require twenty-four (24) months. (*Project Manager: Jason Brodigan*)
- **FM 423 (SH 121 – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. Environmental clearance (FONSI) for the Middle and North Sections was received in July 2006, and ROW acquisition will be conducted by TxDOT in accordance with the SH 121 Memorandum of Understanding. (*Project Manager: Jason Brodigan*)
 - **North Section (Eldorado – US 380)** – Staff completed review of the revised 95% plans in September 2008. Design is expected to be completed in January 2009. The north section is scheduled to be bid by TXDOT in early 2010, or upon completion of ROW acquisition and utility relocation. Construction is anticipated to require 24 months.
 - **Middle Section (Stewart Creek – Eldorado)** – Jacobs Carter Burgess has submitted 100% plans to the District for final review. Right of Way acquisition is approximately 75% complete. Coordination with the utility companies continues. The middle section is scheduled to be bid by TXDOT in August 2009, or upon completion of ROW acquisition and utility relocations. Construction is anticipated to require 24 months.
 - **South Section (SH 121 – Stewart Creek)** – Denton County is coordinating the design of this project by Jacobs Carter Burgess working with TxDOT and The Colony. TxDOT held a Public Hearing on the environmental effects of the plans to widen this section in January 2008. Currently, this project is expected to bid in mid to late 2010 and is expected to require 26 months to construct, pending environmental clearance, acquisition of right-of-way, and relocation of utilities.
- **Frisco Square Boulevard Railroad Crossing** – Construction of the street connection of Frisco Square Blvd. across the railroad tracks to the Old Downtown area. This project is being partially funded by the NCTCOG as a Sustainable Development project with design and construction oversight by TxDOT (inspection services by the City of Frisco). The grade crossing construction and maintenance agreement with BNSF has been executed by the City, and BNSF has begun their process to order and fabricate crossing materials and crossing signal equipment. Construction began in September and is anticipated to be completed in early 2009. (*Project Manager: Michael Bulla*)

- **SH 289/Preston Road (Main Street – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. Engineering Design Services, by TxDOT's Collin County Area Office, are complete. TxDOT is currently acquiring right-of-way and is approximately 95% complete. Franchise utility companies are preparing plans for relocations. TxDOT will bid the project in October 2008. Construction is expected to begin in early 2009 and is estimated to take 30 months. *(Project Manager: Jason Brodigan)*

CITY PROJECTS:

- **20" Dallas Parkway Water Line (Stonebrook - Main) and 30" Main Street Water Line (DNT – Legacy)** – The scope of work includes the design of 11,500 linear feet of 24" and 12" water main (along the Dallas Parkway from Stonebrook to Main) and 2,300 linear feet of 36" water main (along Main Street from the DNT to Legacy). City Council awarded the design contract to Camp Dresser & McKee, Inc. in June 2006. Project is on hold pending staff review and coordination of the design with the Grand Parks lakes. The project scope and schedule will be revised due to modifications to the water line alignment. Portions of the project are expected to be re-activated by the last quarter of 2008. *(Project Manager: David Chacon)*
- **24" Dallas Parkway Water Line (Warren – Lebanon)** – The scope of work includes the installation of 6,200 linear feet of 24-inch water main, pressure-reducing valve station, upsizing existing 12-inch with an 18-inch, and connecting an existing 12-inch water main. Fox Contractors have installed all of the 24-inch water line. The project is substantially complete and operational. The project is expected to be closed out in November 2008. *(Project Manager: David Chacon)*
- **30" Dallas Parkway Water Line (CR 23 –DNT–Virginia Parkway – Preston) & Transfer Valve Station** – The project includes 18,800 linear feet of 30" water main along the Dallas Parkway to serve the northern portion of the City. City Council awarded the design contract to Jacobs Civil, Inc., in August 2006. The project is currently on hold awaiting the Virginia Parkway roadway alignment by a separate consultant. The project scope and schedule will be revised and completion of the design is expected in mid 2009. *(Project Manager: David Chacon)*
- **7th Street (Main – Hickory)** – This project will improve the existing asphalt street to concrete paving with curb and gutter, sidewalks, lighting, and other improvements. Design Services are anticipated to begin in late 2008. *(Project Manager: Jason Brodigan)*
- **City Hall Parking Garage** – Carl Walker is the consultant responsible for the design of the parking garage structure behind the city hall building. The consultant is preparing the preliminary schematic plans for the garage. Design is anticipated to be complete during 2008 and construction is anticipated to be started early in 2009. *(Project Manager: Ben Brezina)*
- **CR 712/All Star Ave (Frisco St. – North County Rd.)** – The project includes constructing a 4-lane divided section between Frisco Street and the BNSF Railroad and a 37 foot wide undivided section from the BNSF Railroad to North County Road. Mario Sinacola began construction in July 2008 and completed the utilities west of the railroad tracks in early September. Paving of the western portion of the project is expected to be completed in October. The project is anticipated to be completed in early 2009. *(Project Manager: Michael Bulla)*

- **Cottonwood Creek and Stewart Creek Lift Stations** – The Updated Water and Wastewater Master Plan revised the project scope to a lift station and force main at Cottonwood Creek and the decommissioning of the Cottonwood Creek Wastewater Treatment Plant (WWTP). This project will divert 5 MGD (million gallons per day) of wastewater from the Cottonwood Creek WWTP to the Panther Creek Wastewater Treatment Plant via the new Panther Creek Interceptor currently under construction. The engineering services contract is being amended to reflect the change in scope. The project is expected to be bid in Fall 2009. *(Project Manager: Art Hartle)*
- **Dogwood/Meadow Street** – This project will replace existing asphalt streets with concrete pavement with curb and gutter. Lawrence A. Cates and Associates are revising final plans and the project is expected to be bid in late 2008. Construction is anticipated to be completed in 2009. *(Project Manager: Art Hartle)*
- **Eldorado Parkway (DNT – Preston)** – City Council awarded the design contract to Wier & Associates in June 2006, for the design of the westbound (northern) two lanes, including the westbound bridge over the BNSF Railway. The City is expediting construction of the fifth and sixth lanes to coincide with construction of the remainder of the project with the use of Collin County bond funds. Weir & Associates is currently preparing the final plans. This project is expected to bid in late 2008 and should require 15-18 months to complete. *(Project Manager: Jason Brodigan)*
- **Eldorado Independence Intersection Improvements** – RLK Engineering is designing the intersection improvements at Eldorado Pkwy and Independence Pkwy. The project includes permanent traffic signals at Eldorado and Independence; turn lanes along Eldorado and along Independence at the High School entrances, a westbound to northbound right turn lane on Eldorado, and two additional lanes to connect existing portions of pavement for eastbound Eldorado traffic. Design plans are 95% complete. The project is expected to bid in late 2008, pending acquisition of right-of-way. *(Project Manager: Jason Brodigan)*
- **Elevated Storage Tanks and Preston 24" Water Line** – The original design by Kimley-Horn included two 2.5 million gallon elevated water storage tanks and a 24-inch water main along Preston Road. One tank will be located on the northeast corner of the future Stonebrook Parkway and FM 423 intersection. The other tank will be located near the intersection of Preston Road and Main Street. A 24-inch water main will be located along the west side of Preston Road from Stonebrook Parkway to Main Street to supply water to the new tank. Construction of the Preston-Main elevated storage tank is expected to be in operation by 2011. *(Project Manager: Art Hartle)*
- **Eubanks Street (Fifth St- BNSF RR)** – Corwin Engineering has completed the design for the replacement of this street. Right of Way acquisition is current underway. Construction is anticipated to begin in early 2009 and will require six months to complete. *(Project Manager: Michael Bulla)*
- **Frisco #1 Pump Station Expansion (Custer Road)** – This project was awarded by City Council in July 2007 and construction started in October 2007. Pump motors are currently being tested and delivery and installation of the motors is expected in November. The project is anticipated to be complete in late 2008. *(Project Manager: David Chacon)*
- **Frisco Street (Main – Frisco Square)** - The proposed street project includes the construction of approximately 650 feet of a two-lane undivided concrete roadway. JRJ Paving began construction in June 2008. Utility installations were completed in July and paving was completed in September. The new road has been opened for traffic and the project is expected to be completed in October. *(Project Manager: Michael Bulla)*

- **Independence Parkway (SH 121 – Main)** – City Council awarded the bid for construction services to Mario Sinacola and Sons Excavating, Inc. in August 2006. Phase 1 (two new lanes from Main to Rolater Road) was opened to traffic in August 2007. The contractor has opened the final section of Independence near Main Street and is working on cleanup issues prior to final acceptance. *(Project Manager: Michael Bulla)*
- **Lebanon at Dallas North Tollway** – Kimley-Horn is designing improvements at the intersection of Lebanon and the Dallas Parkway along Lebanon to better align the roadway with the newly constructed bridge over the DNT. Design is approximately 95% complete and ROW acquisition is expected to require approximately eight months. Construction is anticipated to take seven months upon the completion of right of way acquisition and utility relocation. *(Project Manager: David Chacon)*
- **Lebanon Road (FM 423 – Presidents Dr.)** – Spiars Engineering designed the widening of Lebanon Road from two to four lanes (eastbound lanes). The project was awarded to Rodman Excavating and construction began in February 2008. Water and drainage improvements are complete and bridge work continues on schedule. The contractor has finished all main lane paving and is expected to finish turn lanes and crossovers in October. The project is expected to be completed in early 2009. *(Project Manager: Michael Bulla)*
- **Legacy Drive (Citation – Main)** – This project will provide three lanes in each direction from Main Street to Citation Court, and a right turn lane from east-bound Main Street to southbound Legacy. Construction is substantially complete and all lanes are now open to traffic... Close out of the project is expected in November 2008. *(Project Manager: David Chacon)*
- **Legacy Drive 16" Water Line (Stewart Creek – Citation)** – Construction of 2,951 linear feet of 16" water main along Legacy Drive began in July 2008. Bowles Construction has completed the installation of the water line and the line is operational. Project close out is expected in October. *(Project Manager: Art Hartle)*
- **Northwest Elevated Storage Tank** – Construction of the 2.5 MG Elevated Water Storage Tank, located near Teel Parkway and Panther Creek Parkway has been completed. *(Project Manager: Art Hartle)*
- **Northwest Infrastructure** - Kimley-Horn was contracted to analyze alternative alignments for water & sewer lines to serve properties near FM 423 & US 380. An analysis of alternative alignments for future Virginia Pkwy from FM 423 to Preston Road was also included and has been completed. Design is approximately 95% complete. The consultant is currently meeting with property owners and preparing easement documents. It is anticipated that the project will bid in 2009, pending easement acquisition. *(Project Manager: David Chacon)*
- **Panther Creek Parkway (DNT – Teel) and Legacy Drive** - This project constructed 4 lanes of arterial street in a location where no roadway existed to provide traffic relief for Eldorado Parkway. Construction began in January 2008 and Panther Creek Parkway was opened for traffic on July 2, 2008. Crews have completed the Legacy Drive improvements and are expected to open the new road once the signals at Panther Creek Parkway are connected to the power source by CoServ. *(Project Manager: Michael Bulla)*

- **Panther Creek Sewer Interceptor – (Project Manager: David Chacon)**
 - **Phase 1 (Panther Creek)** – Engineering Design Services by Halff Associates are complete. City Council awarded the construction contract to SJ Louis on July 15, 2008. Right-of-Way for Phase 1 is currently being acquired. Construction is estimated to start in October and take approximately 7 months to complete.
 - **Phase 2 (Parvin Branch)** – Design of Phase 2 is currently on hold until future development dictates need for the project. Design is approximately 90% complete. Construction is estimated to take six months.
 - **Phase 3** – Design of Phase 3 is currently on hold until future development dictates need for the project. Design is approximately 60% complete.
- **Rolater Road (Custer - Independence)** – The Project will construct the two east bound lanes of the four lane divided roadway including a bridge over Rowlett Creek. Design of the project, by RLK Engineering, is approximately 50% complete. Construction is expected to begin in Spring 2009 and require 10 months to complete. (Project Manager: Jason Brodigan)
- **Rolater Road (Coit – Independence)** – The Project includes the construction of a four lane divided roadway, which will replace the existing unpaved CR69. Sinacola began construction in October 2007. Paving began in late July and was completed in mid August. The roadway is now open as the contractor finishes minor cleanup issues. (Project Manager: Michael Bulla)
- **Rolater Road 42" Water Line (Coit – Preston)** – Construction of the 42" water line in the median of Rolater Road began in March 2008, by SJ Louis. Installation of the water line tunneled under Preston Road to connect to the existing line on Stonebrook Parkway immediately west of Preston Road was completed in September. Trenching and pipe installation in the median of Rolater Road on the east side of Preston Road began in September and will progress to the east to Coit Road. The project is scheduled to be completed in Spring 2009. (Project Manager: Art Hartle)
- **Selected Old Town Streets (1st, 3rd, 4th, 6th, Pecan, and Hickory)** – City Council awarded the bid for construction services to Jim Bowman Construction in November 2006. The contractor has completed all of the street paving and is completing punch list items prior to the City's final acceptance. (Project Manager: Michael Bulla)
- **Sidewalk Improvement Program** - This Project will construct sidewalks, hike and bike trails, and curb ramps at various locations throughout the City of Frisco. Locations were chosen to complete gaps in the sidewalk system and in response to requests from citizens. Estrada Concrete has completed sidewalk on Teel, Hillcrest and Panther Creek Parkway. They are currently working on Lebanon, between Starwood and Legacy. Completion of the project is anticipated in November. (Project Manager: Michael Bulla)
- **Stonebrook Parkway (Legacy – Longhorn)** –Project to construct the four lane roadway including a bridge over Stewart Creek as well as an underpass for the BNSF railroad is under design by HNTB. Design is approximately 95% complete. Permitting by the US Corps of Engineers is expected to take 12-18 months starting November 2007. As a result, the project will be completed in two phases. The first phase, from Fighting Eagles Dr to Legacy Drive as well as the railroad bridge, is expected to begin construction in early 2009. Construction of the second phase, from Longhorn to Fighting Eagles Dr, will begin once the permit is received and is expected to be completed in mid 2010. (Project Manager: Jason Brodigan)

- **Stonebrook Parkway (Dallas North Tollway – Preston)** – The project will replace two westbound lanes with three reconstructed lanes and includes the installation of a 36-inch water line. CH2M Hill has been selected to prepare the engineering design of the project. Surveying and geotechnical investigation has been completed and design of the project is 30% complete. Construction is expected to begin in Summer 2009 and take approximately 14 months to complete. *(Project Manager: Art Hartle)*
- **Teel Parkway (Panther Creek Parkway to North of Little River)** – Project to construct the two northbound lanes widening the roadway to four lanes. This project is jointly funded by FISC. Construction began in May 2008. Utilities have been installed and subgrade preparation has been completed. Rodman Excavating began paving operations in late September and are expected to be complete in late October 2008. Cleanup and final acceptance should occur in early November 2008. *(Project Manager: Michael Bulla)*
- **Virginia Parkway (CR26 – Preston)** — Project to construct 6 lanes from County Road 26 to Preston Road, including bridges over Parvin Branch and BNSF RR. Design of the project is approximately 25% complete and is expected to be completed by Summer 2009. The project is anticipated to be complete in early 2011. *(Project Manager: Jason Brodigan)*
- **Wade Detention Pond** - Design of this regional detention pond is needed for the new Frisco Recreation Center and will be expanded to incorporate storm water detention needs for FISC and adjoining properties. The project was awarded in August 2007. Construction began October 2007 and is substantially complete. *(Project Manager: Alyssa Sanders)*
- **West Frisco Wastewater Improvements** – Construction began in March 2007, by Oscar Renda Contracting, for improvements to the Trails, Fairways, and Grayhawk Lift Stations and the construction of a new force main to the Panther Creek Wastewater Treatment Plant. Wastewater began pumping north to the Panther Creek Wastewater Treatment Plant from the Grayhawk Lift Station in April 2008. The Fairways Lift Station flow was redirected to Panther Creek WWTP in June, and the Trails Lift Station flow was redirected in July. Construction is anticipated to be completed in October. *(Project Manager: Art Hartle)*
- **World Cup Way (Main – Frisco Square Blvd)** – Project to construct a two lane undivided roadway from Main Street to Frisco Square Blvd. North Texas Contracting Inc. began work in August. Weather delays in early September have hampered the chemical injection process. The contractor expects to be complete in November 2008. *(Project Manager: Michael Bulla)*

Transportation Highlights – Brian Moen:

- **Development/CIP Plan Reviews** – Staff reviewed 77 sets of development and CIP plans. Staff also reviewed and processed 14 TxDOT driveway permit applications.
- **SH121 and DNT Tollway Construction** – NTTA opened the main lanes on SH121 Hillcrest Dr. south on September 1. The City of Plano has been retiming the traffic signals along the SH 121 frontage roads to account for the change in traffic patterns. Staff has been reviewing NTTA's plans for the construction of a full interchange at SH 121 and the Dallas North Tollway (including direct-connect ramps in all directions).
- **Internally Illuminated Street Name (ILSN) Signs** – Staff will be preparing additional analysis for TxDOT to review in conjunction with our request to add Illuminated Street Name Signs on Preston Road. It is unknown at this time when this additional analysis will be complete. Once the completed analysis is approved by TxDOT, it will take approximately 8 to 12 weeks to have the signs fabricated and installed.

- **Intersection Improvement Projects** – JRJ Paving, LP is finishing the work on the additional left-turn lanes at Gaylord & Mall Road F and a southbound left-turn lane and northbound right-turn lane on Parkwood at John Q. Hammons, all of which are opened to traffic. Construction of the turn lanes at Main and Teel has been hampered by franchise utility relocations. Paving work is expected to resume in early October 2008. *(Project Manager: Michael Bulla)*
- **Citizen Inquiries** – Staff has responded to several citizen inquiries that came into the department by telephone, email, and the City Message Board.
- **Miscellaneous Traffic Studies** – Staff continues to conduct speed studies on roadways throughout the city to update the Speed Ordinance, which should be complete at the end of September. Staff is refining the crash database (based on police reports) and purchasing new software to facilitate crash analysis of intersections. Staff studied traffic volumes on one street to plan for future construction closures. Staff conducted two speed studies and three stop sign studies at the request of citizens.
- **Quiet Zone Project** – Quiet Zone approval from the Federal Railroad Administration (FRA) is on hold until crossing improvements are complete at CR 712 and at Frisco Square Blvd. In addition, the City will need to secure an alternative access to the sewage treatment plant near the DNT railroad crossings to remove the current railroad crossing serving this site. Staff expects these improvements to be complete allowing a Quiet Zone to be established in the first or second quarter of 2009.
- **School Zones** – Staff meets monthly with representatives of Fisd to discuss any school zone or crossing guard issues. This month, staff was on site at the new Stafford Middle School for three days when it opened in order to direct parents and help school staff implement and fine-tune the new school's traffic circulation plans. During the first week of school, staff observed several crosswalk locations to determine potential different crossing guard needs. The following week, staff observed multiple school locations to address various parent and/or principal requests about routes to school, crosswalks, parking, and vehicle stacking. Staff is working with Environmental Services to promote Walking to School programs to reduce traffic at schools.
- **Signal Timing** – Staff is reviewing Request for Qualifications (RFQ) for signal timing services using NCTCOG funds and will make recommendations to Council in October. Selected consultants will retime Main Street (FM 423 to Custer), Dallas Parkway (Gaylord to Eldorado), Preston Road (Gaylord to US 380), and Warren Parkway (Legacy to Preston). Work is expected to begin this summer with new timings implemented on these corridors by Spring 2009. Staff developed new timing plans for the traffic signals at Coit and Rolater due to the new leg of the intersection that opened this month. Staff also adjusted the timing at Main Street and Independence to account for the traffic being shifted back to normal operations after the west side of the road was reconstructed. Once school opened and traffic volumes rose again, staff has been systematically reviewing the signal timing at critical intersections to adjust for changes in traffic patterns.
- **Special Events** – Staff provided traffic management support for several soccer events last month. As part of the Special Events Review Committee, staff helps review all pending special event applications for any traffic control needs. During an unplanned event, staff manned the Emergency Operation Center to watch traffic cameras and modify traffic signal operations to account for the closure of Preston Road due to a truck rollover incident. City crews helped observe locations not visible by cameras and directed traffic at some intersections.
- **Staff** – The department is still actively searching for qualified transportation engineers to fill our vacant positions.

- **Thoroughfare Standards Ordinance** – Staff is currently editing a draft update to the thoroughfare standards ordinance based upon ongoing research as well as coordination with other departments. Staff is also reviewing the draft rewrite of the Subdivision Ordinance with Planning Staff to ensure the two documents do not overlap or conflict with each other.
- **Traffic Count Map** – The traffic count map is available on the internet at maps.frisco.texas.gov. It provides daily traffic volume counts (and the date of each count) on multiple segments of every major roadway.
- **Traffic Control** – Staff reviewed the installation of signs and pavement markings on a new segment of Rolater Road, the fully open north and southbound lanes of Independence Parkway between Main Street and SH 121, and the fully open north and southbound lanes of Legacy Drive between Main Street and Academy. Staff reviewed the traffic control plans for several construction zones.
- **Traffic Signal Construction**
Staff has completed specifications for an annual contract to procure electrical service pedestals for new traffic signal installations. Providing this equipment to the contractor at the start of the project will reduce delays from TXU and CoServ once the construction is complete and power is needed to turn on the signal.
 - 1) **Eldorado / Frisco St** – Staff reviewed the final design incorporated into the Eldorado Pkwy widening project between DNT and Preston Rd.
 - 2) **Eldorado / North County** – Staff reviewed the final design incorporated into the Eldorado Pkwy widening project between DNT and Preston Rd.
 - 3) **Eldorado / Rogers** – Staff reviewed the final design incorporated into the Eldorado Pkwy widening project between DNT and Preston Rd.
 - 4) **Independence / Main** – This signal is being reconstructed with the widening of Independence and was completed this month.
 - 5) **Independence / Rolater** – This signal is being constructed as part of the widening of Independence. The signal will be activated in late September now that Rolater Road has opened west of Independence.
 - 6) **Legacy / Town and Country** – This traffic signal design from Kimley Horn is complete and staff submitted the developer a cost estimate for materials to be provided by the City for the project.
 - 7) **Ohio / Gaylord** – Plans for this signal are complete and staff is evaluating the need for the signal now that the Ohio Bridge over SH 121 is open.
 - 8) **Ohio / Warren** – Plans for this signal are complete and staff is evaluating the need for the signal now that the Ohio Bridge over SH 121 is open.
 - 9) **Independence / Eldorado** – Staff completed a plan review set with Kimley Horn and construction is expected to begin in 2008 along with the DNT/Cotton Gin signal.
 - 10) **DNT/Cotton Gin** – Staff completed a plan review with Kimley Horn this month. Staff expects to bid the construction along with the Independence / Eldorado signal later in the year.
 - 11) **Panther Creek / Legacy** – This signal is expected to be complete next month.
 - 12) **Custer Road / Custer Bridges (Target)** – Staff is working with the City of McKinney to review a signal design from Kimley Horn for the Target signal south of Rolater Road on Custer Road. Target will fund the construction of this signal working with the City of McKinney. The timing and maintenance of the signal will be turned over to the City of Frisco by agreement with the City of McKinney so the signal can be coordinated with signals to the north maintained by the City of Frisco.

- **Traffic Signal System Communications** – The system provides communications to all of the traffic signals in the City, allowing staff to monitor and control their operation remotely. Staff can also view the traffic detection cameras at most of the traffic signals, as well as three PTZ traffic cameras that can be controlled remotely. This month, staff upgraded the software and web interface for viewing traffic cameras through the wireless communication system. Next month, staff will be installing three more PTZ traffic cameras.
- **Training and Conference Attendance** – Staff attended a training course on our ATMS.now traffic signal system software (which included some traffic signal controller programming) as well as a training class on CityWorks for issuing and tracking sign installation work orders. Staff attends the monthly local meetings of the Texas Section of the Institute of Transportation Engineers.
- **Truck Route Ordinance** – City Council approved the new comprehensive truck route ordinance in early September. Staff has created a plan for the installation of truck route signs along the newly established routes that will guide trucks through the City. Staff has submitted a plan for the truck route signs that will be on TxDOT roadways to TxDOT for review and approval. Staff is creating plans for the installation (or modification) of No Truck signs in strategic locations in the City to prohibit trucks from leaving the designated routes.
- **Traffic Signal Maintenance** - The City of Frisco currently operates and maintains 70 traffic signals within the City of Frisco. City crews provide on-call maintenance 7 days per week with a 45 minute response time.

A significant part of this maintenance relates to the 249 video cameras used to detect vehicles at each signal. Currently, 100% of the video detection is fully operational. Maintaining this video detection is becoming easier with the citywide communication system because diagnosing and troubleshooting detection issues can now be performed from our central control center.

Another monthly activity is preventative signal maintenance. This month, city crews verified that the City's 96 school zone flashers operated properly during the firsts week of school. In addition, one more flasher will be installed soon at the new Stafford Middle School once Teel Parkway is complete and another will be installed on the new segment of Rolater Road now that it is open.

- **Roadway Lighting Maintenance** - FSG/Design Electric is in the process of replacing factory defective capacitors surrounding Pizza Hut Park. City crews performed lighting repairs at several locations. New lighting was activated on the new segment of Panther Creek Parkway between Teel Parkway and the Dallas North Tollway.

Total lamp poles maintained	1478
Total lamp fixtures maintained	2384
Number of locations maintained in the last 30 days	34
Citywide lighting fully operational	99%